

Research of students' cognitive activity

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Abstract

© 2017. The important condition of professional training in the educational process is a student's cognitive activity. Students' professional competence in the university system of bachelors' training is provided by introduction of innovative technologies into the educational process on the one hand and a students' cognitive activity in this process on the other hand. Solution of a question about the students' cognitive activity growth is connected with the development of modern pedagogical technologies. The article touches upon the experience of the students' cognitive activity growth in the educative process.

Keywords

Cognitive activity, Cognitive activity development factors, Cognitive activity development levels, Cognitive activity structure, Professional competence, Students' cognitive activity measurement criteria

References

- [1] Abulkhanova-Slavskaya, K. A. (1989). The activity and consciousness of the person as the subject of activity. The psychology of the individual in socialist society: activity and personal development. Moscow: Nauka
- [2] Afanasiev, V. V. (1996). Formation of student creative activity in the process of solving mathematical problems (Monograph). Yaroslavl: K.D.Ushinsky Yaroslavl State Pedagogical University
- [3] Akhmetov, L. G., Fajzrakhmanov, I. M., & Fajzrakhmanova, A. L. (2015). Features of use of direct communicative interaction in the course of formation of professionally significant competence. Paper presented at the Interdisciplinary Behavior and Social Sciences-Proceedings of the 3rd International Congress on Interdisciplinary Behavior and Social Sciences, ICIBSoS 2014, 117-120
- [4] Askhamov, A. A., Konysheva, A. V., & Gapsalamov, A. R. (2016). Use of E-resources of the learning environment in teaching mathematics to future engineers. International Journal of Environmental and Science Education, 11(5), 673-684. doi:10.12973/ijese.2016.340a
- [5] Bakhayeva, T. N. (2010). Research of interrelation of informative activity and professional competence of students of higher education institutions. Education and self-development. 1(17), 103-108
- [6] Bochkareva, T. N. & Bakhaeva, G. M. (2014). The relationship of cognitive activity and professional competence of university students. Scientific Review, Scientific Journal, 9 (1), 289-291
- [7] Choshanov, M. A. (1996). Flexible problem-and-modular teaching technology (Methodological guide). Moscow: Narodnoe obrazovanie
- [8] Choshanov, M. A. (1997). Didactic design of a flexible teaching technology. Pedagogika, 2, 21-29
- [9] Falyakhov, I. I., & Shatunova, O. V. (2015). Formation of the social-professional mobility of students during their participation in the college innovative activity. Social Sciences (Pakistan), 10(6), 926-929
- [10] Gabidullina F.I. (2014). Religious motives in the work of Sagit Sunchalay and Anna Akhmatova. Recent Trends in Social and Behaviour Sciences-Proceedings of the 2nd International Congress on Interdisciplinary Behavior and Social Sciences 2013, ICIBSoS 2013. pp: 475-477

- [11] Gabidullina, F.I., Sattarova, G.G. (2015) Reflects the traditions in contemporary prose. *Mediterranean Journal of Social Sciences*. Vol 6, No 5, pp.: 201-203. DOI: 10.5901/mjss.2015.v6n5s2p201
- [12] Gabidullina, F.I., Khaliullina, A.G. (2017). Islam motives in Sagit Suncheley's works. *Man in India*. Volume: No.97, Issue No.:10, Pp: 211-216
- [13] Gabidullina, F., Minnullina, R., Nureyeva, A. (2017). The concept of the character in the novels of Gayaz Ishaki. *Man in India*. No.97, Issue No. :10, Pp: 177-182
- [14] Ganeev, R. M., & Ganeeva, A. R. (2015). Organization of independent work on mathematics among the students of biological department at university using information technologies. *Research Journal of Applied Sciences*, 10(10), 648-652. doi:10.3923/rjasci.2015.648.652
- [15] Ibatova, A.Z., Ippolitova, N.V., Muchametgaliyeva, S.K., Rodionova, A.E., Yagafarova, K.N., Ikonnikova, L.N. (2016) Lifelong professional education in the Russian federation: Personal aspect. *International Journal of Environmental & Science Education*, 11(16), 9426-9436
- [16] Korableva O., Kalimullina O. (2014). The Formation of a single legal space as a prerequisite for overcoming systemic risk. *Asian Social Science*, Vol. 10 (21), 256-260
- [17] Korableva O., Kalimullina O. (2016). Strategic Approach to the Optimization of Organization Based on the BSC SWOT Matrix. *Proceedings of the International Conference on Knowledge Engineering and Applications*. ICKEA, 2016. Singapore, September 28-30, 2016. p. 212-215
- [18] Korableva O. N., Kalimullina O. V., Kurbanova E.S. (2017a). Building the monitoring systems for complex distributed systems: Problems & solutions. *ICEIS 2017-Proceedings of the 19th International Conference on Enterprise Information Systems*, Portugal, Porto, 26-29 April 2017, pp 221-228
- [19] Korableva O. N., Razumova I. A., Kalimullina O. V. (2017b). Research of Innovation Cycles and the Peculiarities Associated with the Innovations Life Cycle Stages. *Proceedings of 29th IBIMA Conference*, Vienna, Austria, 3-4 May 2017, pp 1853-1862
- [20] Korilova, I.V., Magsumov, T.A. (2017) Emancipation in educational system: Formation of women's higher education in Russia. *European Journal of Contemporary Education*. (2), 6: 352-366. DOI: 10.13187/ejced.2017.2.352
- [21] Lerner, I. I. (1986). Chapter 5: The composition and structure of educational content on the theoretical plane. *Soviet Education*, 28(8-9), 91-120. doi:10.2753/RES1060-939328080991
- [22] Lytkina, N. L., Timofeeva, A. N. (2010). The modern view of human resource management in the field of socio-cultural service. *Vocational education*, 9, 12-13
- [23] Magsumov, T.A. (2014) Main approaches to the study of historical and educational process. *Bylye Gody*. (4), 34: 720-726
- [24] Merzon, E. E., Fayzullina, A. R., Ibatullin, R. R., Krylov, D. A., Schepkina, N. K., Pavlushkina, T. V., & Khairullina, E. R. (2015). Organizational and pedagogical conditions of academic mobility development of students at school of higher professional education. *Review of European Studies*, 7(1), 46-51. doi:10.5539/res.v7n1p46
- [25] Morova, N. S. and Grunina S. O. (2007). Formation of students' social activity in the conditions of educative system of a pedagogical higher educational institution (Monograph). Yoshkar-Ola: N.K.Krupskaya Mariysky State Pedagogical Institute
- [26] Osadchy, E. A., & Akhmetshin, E. M. (2015a). Integration of industrial and educational sphere in modernization of economic relations. *Journal of Applied Economic Sciences*, 10(5)
- [27] Osadchy, E. A., & Akhmetshin, E. M. (2015b). The intellectual capital importance and the role of organizations against the backdrop of a crisis: Innovation vector. *Social Sciences (Pakistan)*, 10(6), 1013-1020
- [28] Polovnikova, N.A. (1975). Methodological issues of the method of cognitive activity. *Education of cognitive activity and independence of students*, 144, 102
- [29] Sattarova, G.G., Gabidullina, F.I. (2015). The novel's genre of the modern Tatar literature (in the example of the F.Bairamova's creation). *Journal of Language and Literature* . ISSN: 2078-0303, Vol. 6. No. 2. Iss.2, May, 2015
- [30] Sedov, S. A. (2015). Formation of the individual's technological culture in general education and professional school. *Mediterranean Journal of Social Sciences*, 6(4S1), 71-75. doi:10.5901/mjss.2015.v6n4s1p71
- [31] Sozontova, E. A., Gilmullin, M. F., & Anisimova, T. I. (2015). The development of readiness for labor among the bachelors with pedagogical education. *Social Sciences (Pakistan)*, 10(7), 1743-1746. doi:10.3923/sscience.2015.1743.1746
- [32] Tararina, L. I., Sokolova, E. I., Akhmetov, L. G., Faizrakhmanov, I. M., Yakovlev, S. P., Kozhanova, T. M., & Khasanova, G. B. (2015). Implementation of the multicomponent algorithm of the interdisciplinary teaching modules into liberal education of the university students. *Mediterranean Journal of Social Sciences*, 6(2S3) doi:10.5901/mjss.2015.v6n2s3p196
- [33] Yurkovets, O.A. (2008). Formation of professional competences based on the application of modular competency training technology in secondary professional education. *Teacher Education and Science*, 6, 24-26